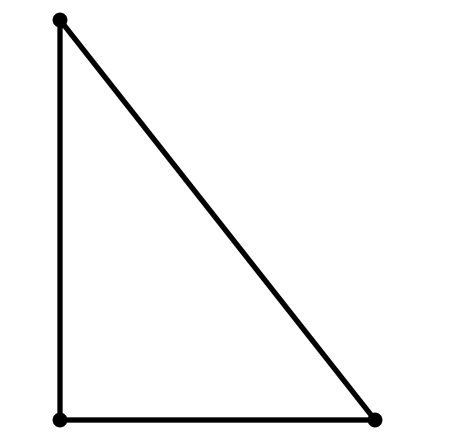
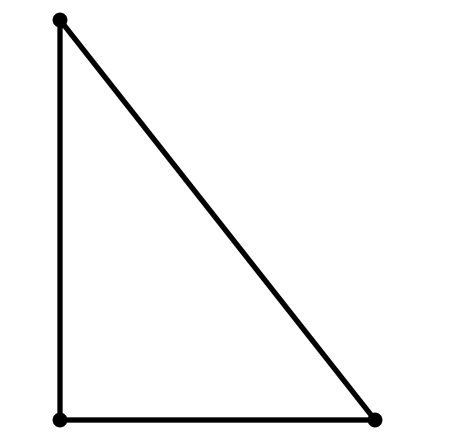
**3.5 Area of a Triangle Practice** Name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Please remember to show all of your thinking. The IDEAL solution to your problems can help you solve these problems

1. How is the area of a triangle related to the area of a rectangle?
2. Find the area of a triangle with a base of 5 cm and a height of 7 cm.
3. Find the area of a triangle with a height of 390km and a base of 760 km.
4. A triangle has an area of 1.68 m2 and a base of 2.4 m. What is the height of the triangle?
5. a) Measure the base and the height of the triangle below and label on the diagram.

Calculate the area of the triangle

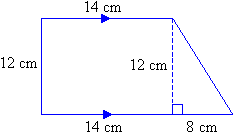
b) Here is the same triangle. What is another way you can measure the height and base of the triangle? Label and calculate the area.



c) How does the area you calculated in question a compare to your calculation in b?

d) If your answers were not EXACTLY the same, give reasons why they were not.

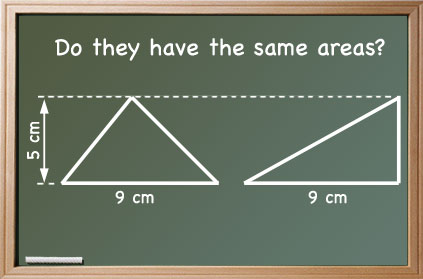
1. Calculate the area of composite shape below:



|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 8. | A multiple choice question for you! You can still use IDEAL to help you solve this one. A parallelogram and a triangle have the same base and height measurements. What do you know about the areas of these two shapes?   |  |  | | --- | --- | | a. | The area of the triangle is half the area of the parallelogram. | | b. | The area of the triangle is twice the area of the parallelogram. | | c. | The areas of the two shapes are the same. | | d. | The areas of the two shapes are unrelated. | |

1. Brianna wants to plant as many daisy plants as she can in a triangular garden. She finds out that she should plant no more than 49 daisies for each square meter of garden. How many daisies can she plant in a garden with a base of 2 m and a height of 1.6 m?

8)



Please explain why or why not

1. Together with Mrs. Kidd we will create a composite area question to try.